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Fire TIES

• Training • Investigation • Education • Statistics

Fire Ties is a Joint Publication of the Michigan State Fire Marshal's Office and Michigan Fire Fighters Training Council



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Severe Acute Respiratory Syndrome (SARS)— Informational Bulletin for Emergency Responders

Information obtained from the Fire Engineering web site at www.fe.pennnet.com

Severe Acute Respiratory Syndrome (SARS) is thought to be a viral illness, spread person to person through close contact with respiratory secretions. The severity of illness is highly variable, from mild illness to death. The following information is provided to assist fire fighters in identifying people who may transmit SARS and to advise all those with potential SARS exposure to use infection control precautions to protect their own health and that of the public.

What is the Cause for Concern About SARS?

On March 16, 2003, the World Health Organization issued a Global Alert regarding the SARS epidemic. The Alert was issued because this disease was not previously recognized, it caused great risk to exposed health care workers, and it began to spread internationally. As of April 2, there were 2,223 cases, including 48 deaths reported. This represents a case fatality rate of 3.5%.

In Canada, 11 fire fighters and 208 paramedics have been quarantined, as well as 40 social workers and four library workers. Three Canadian paramedics and three hospital workers have SARS. The disease has also been transmitted to airline passengers in close proximity to persons with active SARS. As of April 1, 13

countries have been affected. Of these, four countries imported cases with no documented local transmission. Fortunately, the Global Alert appears to have prevented spread in countries where the disease was imported. There is no indication that SARS is linked to bioterrorism.

When Should I Suspect a Case of SARS?

There are two situations in which you should suspect SARS:

1. You should suspect that a person may have SARS if the following conditions apply:

- * Measured temperature > 100.5° F (>38°C), and
- * One or more observable findings of respiratory illness (cough, shortness of breath, difficulty breathing, hypoxia, or X-ray finding of pneumonia), and
- * The person has traveled, within 10 days of their illness, to an area with documented or suspected cases of SARS. This includes all of mainland China, Hanoi, Vietnam, Singapore and the Special Administrative Region of Hong Kong **OR**

2. You should suspect SARS in a person who was in close contact with a person having SARS, or a person with a respiratory illness who traveled to a SARS area. Close contact is defined as having cared for, having lived with, or having direct contact with respiratory secretions (continued on page three)

For more information, visit:



World Health Organization
www.who.int/csr/sars/en/



Centers for Disease Control
www.cdc.gov

 Health Canada Santé Canada
www.hc-sc.gc.ca

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Fire Deaths

10 Fire Deaths Reported in March 2003

Name	Age	Sex	Date of Fire	Cause of Fire	Responding Fire Dept	Cause of Death	Smoke Detector Present	Smoke Detector Operational
Norwood, I.	69	F	1/21/03	accidental	Detroit/8207	burns	unknown	
Bullock, J.	10	M	2/6/03	accidental	Detroit/8207	smoke inhalation	yes	yes
White, J.	6	M	2/10/03	accidental	Detroit/8207	smoke inhalation	yes	no
Lay, M.	42	M	2/15/03	accidental	Forest-Waverly/ 1610	burns	no	
Wright, E.	63	M	2/17/03	accidental	Detroit/8207	smoke inhalation	unknown	
Angelo, L.	43	M	3/1/03	accidental	Tri Unit/1126	smoke inhalation	yes	yes
Moon, J.	60	F	3/1/03	accidental	Independence Twp/ 6310	smoke inhalation	yes	no
Chengary, D.	55	M	3/22/03	accidental	Iron Mountain/2202	smoke inhalation	no	
Fossmo, W. Joyal, A.	78 5	M M	3/29/03 3/29/03	accidental	Richmond Twp/ 5209	smoke inhalation	no	

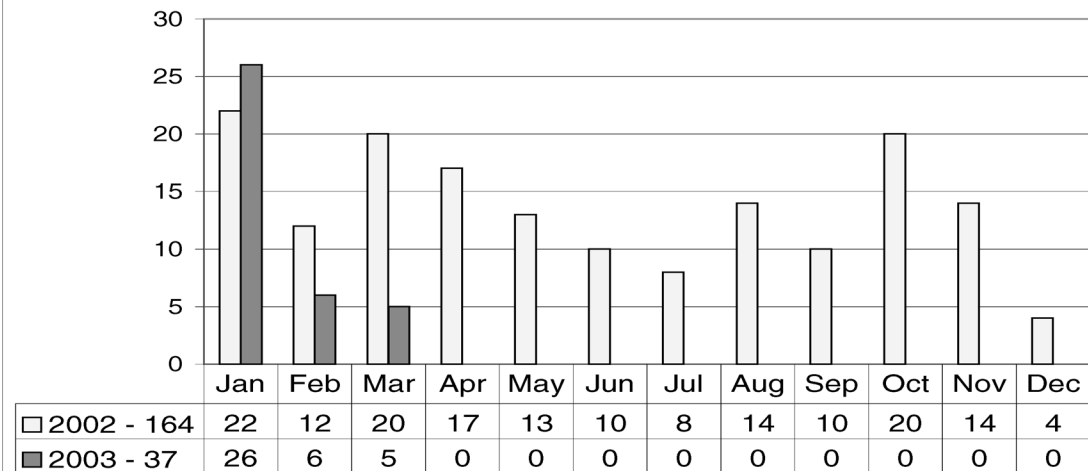
Send fire death information to Colleen Mohr at mohrc@michigan.gov or by fax to 517.322.2908

Fire Fact of the Month

Nationwide, a civilian home fire injury is reported every 34 minutes.

Source: NFPA

Fire Deaths by Month Two-Year Comparison



(continued from page one)

tions and/or body fluids of a patient suspected of having SARS. The close contact should have occurred within 10 days of symptom onset.

Note: Do not rely on a history of foreign travel/contact with foreign travelers in order to don protective gear.

How Does the Illness Progress?

The illness usually begins with fever ($> 100.5^{\circ}\text{F}$), sometimes with chills or other, nonspecific symptoms (headache, muscle aches). Typically, rash and neurologic or gastrointestinal findings are absent; however, some patients have reported diarrhea during the fever phase. After 3-10 days, a lower respiratory phase begins, with a dry cough or shortness of breath, which may be associated with diminished blood oxygen level. In 10-20% of cases, the respiratory illness is severe enough to require intubation and mechanical assistance with breathing. The case-fatality rate among persons meeting the above definition of SARS is 3-4%. Of the persons who died, many had a pre-existing condition, such as diabetes, that weakened their immune systems and made them susceptible to complications of an infection. Some close contacts of SARS patients have reported a mild illness with fever, without respiratory signs, suggesting the illness does not always progress to the respiratory phase.

Ninety per cent of people who have contracted SARS have improved and were in a recovery phase at day seven after disease.

How Can I Protect Myself?

The best protection against SARS is strict adherence to infection control procedures. Follow universal precautions, including respiratory precautions when SARS is suspected.

Additionally, fire departments should have an Infection Control program that meets the minimum requirements of NFPA 1581, Standard on Fire Department Infection Control Program. In situations where the patient has a high fever and any respiratory signs:

- * Don a P-100 respirator (either disposable model or a full or half facepiece air purifying respirator with a HEPA filter/canister) as a minimum respiratory protection. A respirator with a higher level of respiratory protection, e.g. Powered Air-Purifying Respirator with a HEPA filter, may be used.

- * When a patient requires rescue breathing, use a bag-valve-mask—NEVER use direct mouth-to-mouth or mouth-to-mask resuscitation.

- * Don disposable gloves prior to making any patient contact.

- * Don protective eyewear in situations where bodily fluids may be splashed.

- * Use of disposable gloves should be considered for any direct contact with body fluids of a SARS patient. However, gloves are not intended to replace proper hand hygiene. Immediately after activities involving contact with body fluids, gloves should be removed and discarded and hands should be cleaned. Gloves must never be washed or reused.

- * Apply a disposable surgical mask (or disposable respirator if surgical mask is not available) to all suspected SARS cases not requiring oxygen therapy.

- * Each patient with suspected SARS should be advised to cover his or her mouth and nose with a facial tissue when coughing or sneezing. If possible, a SARS patient should wear a surgical mask during close contact with uninfected persons to prevent spread of infectious droplets.

When a SARS patient is unable to wear a surgical mask, household members should wear surgical masks when in close contact with the patient.

- * When transporting persons suspected of having SARS, do not allow air to recirculate within the vehicle, especially do not use the recirculation (maximum) control on the vehicles heating/air conditioning system. When possible, open windows/vents for improved ventilation.

- * As stated above, the use of gloves does not eliminate the need for hand hygiene. Likewise, the use of hand hygiene does not eliminate the need for gloves. Gloves reduce hand contamination by 70 percent to 80 percent, prevent cross-contamination and protect patients and health care personnel from infection. Antiseptic handwashes should be used before and after each patient just as gloves should be changed before and after each patient.

When using an alcohol-based handwash, apply product to palm of one hand and rub hands together, covering all surfaces of hands and fingers, until hands are dry. Note that the volume needed to reduce the number of bacteria on hands varies by product. Personnel should avoid wearing artificial nails and keep natural nails less than one quarter of an inch long, particularly if they come in contact with patients at high risk of acquiring infections.

- * Upon completion of all patient care procedures, remove gloves and cleanse hands with alcohol-based cleanser. Avoid touching hands to face until a thorough washing of hands takes place. As soon as possible following completion of patient care, thoroughly wash hands with soap and water.

(continued on page seven)

In Canada, 11 fire fighters and 208 paramedics have been quarantined...

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NFIRS Tips

By Mary Nemeth, NFIRS Program Manager

A self-study version of NFIRS training is now available on the USFA website.

For 2002 Statewide Fire Statistics and the Michigan Fire Service Directory log on to www.michigan.gov/msp, click on Services to Governmental Agencies, then go to State Fire Marshal.

- * Year 2002 fire data received after May 31st will not be included in the 2002 Annual Report. Your department will be shown as non-participating.

- * NFIRS reports are to be filed electronically **on a monthly basis** by using a software vendor package or the USFA Client Data Entry Tool.

- * Fire departments filing NFIRS incident reports through the USFA Client Data Entry Tool, should replace their old versions of NFIRS with Version 5.2.1. Go to www.nfirs.fema.gov to download or call Mary Nemeth and request a CD.

- * Fire departments using vendor software can send their data directly to Michigan's partition on the federal server by using the Bulk Import Utility. ***When using this tool, it is very important that all invalid incidents are corrected and***

revalidated. Instructions on how to use the Bulk Import Utility are located on the FMD web site under "Statistics" or request a copy from Mary.

- * NFIRS data files can also be sent to Mary as an e-mail attachment to nemethm@michigan.gov.

- * If your fire department does not have Internet access at the present time, a disk containing your data files can be mailed on a monthly basis to the Fire Marshal Division, 7150 Harris Drive, Lansing, MI 48913.

- * User accounts for the USFA Client Data Entry Tool or Bulk Import Utility will automatically be deactivated if there has not been a login for 60 days. To be reactivated, you must contact Mary. This procedure supports security of information access.

- * A self-study version of NFIRS training is now available on the USFA web site. The

course material, which is based on materials from the two-day NFIRS training can be downloaded at the following URL address: <http://www.usfa.fema.gov/dhtml/inside-usfa/nfirs6ss1.cfm>. The training program is geared to allow you to proceed at your own pace. Upon completion of the course, you may take an online test to earn a National Fire Academy Certificate of Training.

* The use of the "exposure" fire is limited to situations where there is actual flame damage. If the adjacent property is damaged due to water, heat, smoke or fire control, include the damage in the main report. The owner/occupant information can be captured in the Remarks section. The number of buildings involved should be documented in the Fire Module.

Michigan Fire Service EXPO



Time is Running Out!!

Register today to attend the

"First Ever"

Michigan Fire Service EXPO

June 18-22, 2003
Amway Grand Plaza
Grand Rapids, MI

Workshops, activities and exhibits for every discipline

For information, registration form and activity schedule visit our web site at
www.mi-fire-expo.org

Family Circle Magazine Brings Juvenile Firesetting into the Mainstream

By Karen E. Towne, Analyst

Playing With Fire is a special report on child firesetting and juvenile arson. With the permission of FAMILY CIRCLE magazine, we are reprinting a portion of the article. The complete article is available in the April 1, 2003 edition. This report is an excellent resource for fire departments to refer to when working with families who have children using fire inappropriately and was produced as an educational article. The cases used are Michigan families – what better way to bring home the importance of intervention.

Playing With Fire

A Special Report By Holly Robinson, Family Circle Magazine, 375 Lexington Avenue New York, NY 10017

If Vicki Hite could turn back time, she'd go back to that day in June, 2001 when she almost took her then nine-year old son, Jordan, to work with her. In fact, like most parents whose children get hurt, Hite's conversation is sprinkled with "ifs". *What if Jordan had been with her that day, or what if the friend who offered to babysit hadn't let him go outside?* Then that day might not have ended as it did: with Hite getting a frantic call at work and hurrying home to find her only child being rushed into an ambulance. It wasn't until well after Jordan was transported from their home in Dundee, Michigan, to the University of Michigan Trauma Burn Center in Ann Arbor, that the full story emerged.

Jordan and his friends were playing with fire. Daring each other, the children took turns spritzing hair spray from a bottle onto their clothes, and igniting the evaporating fumes - laughing at the way their clothes looked as they were burning. Before their games were over, Jordan's shirt was completely saturated "and the flame was between his shirt and skin," says Hite sadly. Her son's body ended up on fire - even though the shirt itself was hardly burned. Jordan tried dropping to the ground and rolling to put the fire out, but then he panicked. He started to jump around, feeding the fire with more air instead of suffocating it.

Finally, "He ripped the shirt off," recalls Hite. "Unfortunately, with the shirt came several layers of skin."

At home he tried to hide his burns because he didn't want to make his mother angry. His parents, who are divorced, had often lectured him about the dangers of playing with fire. But when the babysitter saw the boy's blisters, she called an ambulance. His doctors found that Jordan had suffered severe burns on his upper body and had to be treated with skin grafts. "The hardest thing for Jordan was how bad he felt for upsetting his father and me," says Hite with a sigh. "But for me the toughest part was seeing my baby burned. No parent should have to see their child in that kind of pain."

Unfortunately, too many parents do see their children suffer from burns, and many other families see their homes and other property destroyed. Juvenile firesetters accounted for about half of all arson arrests in 2001, according to the FBI. No other serious crime has as high a rate of juvenile involvement as arson. In 2001, 32 percent of all people arrested for arson were under 15 years of age, and 6 percent hadn't even reached their 10th birthday.

Those figures exclude fires started by children who are too young to understand their actions. According to the National Fire Protection Associa-

tion, in 1998 children who were playing with fire started 67,490 fires, causing 232 deaths and 1,805 injuries, as well as \$234.7 million in property damages. Fire experts say that curiosity - especially when combined with access to matches or lighters, no fear of punishment, little understanding of fire, and poor supervision - is what causes these fires.

Arizona, Illinois, Massachusetts, Michigan and Oregon are among the states offering the most sophisticated intervention programs for children. One of the newest is the hospital-based Straight Talk program at the University of Michigan Trauma Burn Center in Ann Arbor. The children - most of whom have exhibited high-risk behavior for experimenting with fire - spend a day in the center to see, firsthand, the consequences of fire-related injuries, and to meet with firefighters, burn survivors and medical professionals."

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Region supervisors toll-free
numbers are listed on the
back page of Fire TIES.



Training Coordinators and the FMD-123, Driving Training Record

By Lorraine Schwarz, Region 1
Supervisor

Q: I have been told that I need to contact a MFFTC Training Coordinator. I am not sure I understand who the Training Coordinators are within the structure of the MFFTC.

A: The MFFTC field personnel consist of three Region Supervisors who are located in Marquette (Region 1), Grand Rapids (Region 2) and Saginaw (Region 3). Each Region has Training Coordinators who are the MFFTC representatives for their respective coverage area. They provide consultations on MFFTC training, testing and procedures. The Training Coordinators must be contacted prior to an instructor submitting course applications for Fire Fighter I, II or I & II and MFRI Fire Officer I and II. The following list contains an overview of their duties:

- * Assist County Training Committees (CTC), Regional Training Centers (RTC), fire departments and fire associations with establishing training programs.
- * Provide guidance to probationary and certified instructors.
- * Evaluate instructors and classes.
- * Proctor Fire Fighter and Fire Officer certification exams.

* Monitor MFFTC classes to insure compliance with policies and procedures.

The Training Coordinators are a wealth of knowledge. Each has many years of experience in the fire service including numerous hours of instruction. For further Training Coordinator contact information, View the **Contact Information** button on the main menu of the MFFTC web site at www.mfftc.org. If web access is unavailable, contact your MFFTC Region Supervisor as listed on the back page of Fire TIES.

Q: I am an instructor and have found that the fire chiefs are still confused about the FMD-123, "Driver Training Record". Please briefly describe what the procedure is once the fire chief receives the record following a Drivers Training Course.

A: The fire chief will receive an FMD-123 for members who have successfully completed the classroom portion of the MFFTC Driver Training Course, along with a letter explaining the completion of the Driver Training Practical Skills requirements. The fire chief is responsible to ensure that all affected members successfully complete the practical skills driver training requirements, which includes completion of the Competency Course and eight (8) hours of supervised behind-the-wheel driving. Following the successful completion of the practical skills driver training requirements, the fire chief signs and dates the FMD-123 and forwards it to the MFFTC in Lansing to be validated. Once validated, a copy of the FMD-123 will be returned to the fire chief, and the original is retained by MFFTC. The fire chief has the authority to withhold his or her signature from the

FMD-123 until the member successfully completes the training. **It is extremely important that the Fire Chief return the FMD-123 for validation.** If it is not returned, the training record for the fire fighter will not reflect completion of the driver-training course.

If you have questions pertaining to the programs and services provided by the Michigan Fire Fighters Training Council that you would like

addressed in this column, please contact your MFFTC Region Supervisor listed on the back page of *Fire TIES*. If you have a question,

no doubt there are many others who probably have the same question. We look forward to hearing from you!

NOTE: Previous Issues & Answers columns are posted at www.mfftc.org.



(continued from page three)

How Do I Decontaminate Equipment?

* Dispose of disposable respirator, respirator filters, gloves and other disposable equipment/supplies used at the scene as bio-hazardous waste. If the turnout gear is visibly contaminated by bodily fluid, it should be placed in a biohazard bag at the scene and washed following prescribed laundry procedures. Chlorinated beach shall not be used with any firefighter protective clothing. Non-disposable respirators shall be cleaned and disinfected in accordance with manufacturer's recommendation.

* For decontamination of non-disposable equipment, follow manufacturer and departmental standard operating procedures. Vehicles used to transport persons suspected of having SARS should be cleaned by staff wearing protective equipment, using a disinfectant cleanser.

What Advice is Given to Contacts of a Suspected SARS Patient?

When possible, in advance of the evaluation, healthcare providers should be informed that the individual is a close contact of a SARS patient. Patients presenting to health care facilities who require assessment for SARS should be diverted to a room designated for respiratory isolation. Sharing of eating utensils, towels, and bedding between SARS patients and others should be avoided, although these items can be used by others after routine cleaning (e.g., washing with soap and hot water). Environmental surfaces soiled by body fluids should be cleaned with a household disinfectant according to manufacturer's instructions; gloves should be worn during this activity. Household members or other close contacts of SARS patients who

develop fever or respiratory symptoms should seek healthcare evaluation. At this time, in the absence of fever or respiratory symptoms, household members or other close contacts of SARS patients need not limit their activities outside the home. Within an affected household, facial tissues and other waste from SARS patients may be discarded as normal household waste.

How Contagious is SARS?

Although the infectivity and definite cause of SARS are currently unknown, transmission to healthcare workers appears to have occurred after close contact with SARS patients before recommended infection control precautions were implemented (hand hygiene, gloves, respirator, eye protection, gown). SARS is not highly contagious when protective measures are used. SARS is not thought to be spread through building ventilation systems.

SARS appears to be less infectious than influenza. The incubation period is usually from 2-7 days, with 3-5 days being most common. Contact with aerosolized respiratory secretions from an infected person appears to be important. It is unknown whether other body fluids are infectious, therefore, all body secretions from suspected SARS patients should be handled only while wearing appropriate protection.

Is a Respirator Effective Against SARS Transmission?

When properly fitted, maintained and used, a P100 respirator (or a full or half face air purifying respirator with a HEPA filter) provides excellent protection from inhalation of infectious airborne droplets. However, there are NO safe exposure levels (i.e. the

amount you can inhale without adverse health effects) for biological aerosols. Respirators can reduce inhalation exposures but cannot eliminate the risk of contracting infection, illness, or disease. Additionally, the type of respirator facepiece and filter class required does vary depending activities and risk of exposure. Many have suggested that N95 respirators be used for protection from this disease for public and hospital use. The IAFF does not believe that this type of respirator will afford fire fighter and emergency medical personnel proper protection. Accordingly, the IAFF recommends for emergency response, as a minimum, a P100 respirator be used.

One of the easiest ways of transmitting a viral infection from one person to another is through a hand shake that transfers virus from the hand of one person who may have rubbed his nose to another person's hand. The second individual then touches his/her nose or mouth, then develops an infection. A respirator is not a guarantee of protection against any disease. However, if a high-filtration respirator is worn with eye protection and gloves, a high degree of protection is conferred.

SARS is not highly contagious when protective measures are used.

Respirators can reduce inhalation exposures but cannot eliminate the risk of contracting infection, illness, or disease.

MI Fire Fighters Training Council Registered Training

Special Attention: FF-I and/or II and Fire Officer I or II are retained on this list based on "End Date" to allow scheduling of re-tests and FF-I and/or II challenge tests. All other courses appear on this list based on "Start Date"

Start Date Time	End Date	Co.	Location	Course Manager	Phone
FIRE FIGHTER – BASIC					
Fire Fighter IA					
04/23/03 6:00pm	09/27/03	77	Manistique	Robert Schwarz	906.226.8174
Fire Fighter I Exam					
06/07/03 9:00am	06/07/03	26	Gladwin	Gregory Atwood	989.366.8146
Fire Fighter I & II					
04/07/03 6:30pm	09/21/03	47	Brighton	Donald Hall	810.229.6640
04/14/03 8:00am	08/01/03	82	Detroit	Jeffrey Banks Sr.	313.237.3175
05/12/03 8:00am	08/08/03	41	Grand Rapids	Michael Tibbets	616.456.3900
05/20/03 6:25pm	08/23/03	82	Taylor	Lawrence Morabito	734.374.3213
Fire Fighter I & II Exam					
06/20/03 6:00pm	06/21/03	01	Harrisville	Rodney Cordes	989.736.8460

APPARATUS

Apparatus & Pump Operations - FFI					
05/17/03 7:00pm	05/18/03	63	Holly	Jerry Hobson	248.634.7722
06/15/03 9:00am	06/16/03	82	Allen Park	John Smilnak	734.462.4745
Apparatus & Pump Operations - FFI & II					
05/16/03 6:00am	05/17/03	48	Newberry	Robert Schwarz	906.226.8174
06/02/03 9:00am	06/05/03	82	Garden City	John Smilnak	734.462.4745
06/05/03 6:00pm	06/26/03	39	Kalamazoo	Patrick Butler	269.345.0313
07/07/03 9:00am	07/10/03	82	Garden City	John Smilnak	734.462.4745
08/18/03 9:00am	08/21/03	82	Garden City	John Smilnak	734.462.4745
09/05/03 6:00pm	09/06/03	77	Manistique	Robert Schwarz	906.226.8174
09/08/03 9:00am	09/10/03	82	Garden City	John Smilnak	734.462.4745

DRIVER TRAINING

Driver Training					
05/17/03 8:00am	05/17/03	83	Hoxeyville	Randall Norman	231.775.3114
05/17/03 8:00am	05/17/03	70	Zeeland	Michael Larsen	616.836.4243
05/19/03 8:00am	05/19/03	33	Lansing	John Stafford	517.483.4546
05/20/03 7:30pm	06/03/03	08	Middleville	Rick Schaefer Space	269.795.9311
05/31/03 8:00am	05/31/03	74	Lakeport	John Jeffries	810.989.5753
05/31/03 6:00pm	05/31/03	75	Constantine	Charles Haines	269.273.1166
06/07/03 9:00am	06/07/03	61	Muskegon	Matthew Burns	231.766.3277
07/01/03 9:00am	07/01/03	82	Garden City	John Smilnak	734.462.4745
08/01/03 9:00am	08/01/03	82	Garden City	John Smilnak	734.462.4745
09/01/03 9:00am	09/01/03	82	Garden City	John Smilnak	734.462.4745
09/02/03 6:00pm	09/03/03	83	Hoxeyville	Randall Norman	231.775.3114
09/13/03 8:00am	09/14/03	47	Brighton	Donald Hall	810.229.6640
09/13/03 9:00am	09/13/03	17	Pickford	James Miller	800.444.2411
09/13/03 9:00am	09/13/03	71	Alpena	Pete Shiemke	989.727.3782

ARSON DETECTION/FIRE INVESTIGATION

Detection Of Arson And Suspicious Fires					
05/17/03 8:00am	05/18/03	18	Clare	Gerald Becker	989.539.6559
05/27/03 9:00am	05/28/03	50	Clinton Township	Anthony Kowalski	586.498.4056
05/31/03 8:00am	06/01/03	81	Ann Arbor	Victor Chevette	734.483.4225
06/07/03 9:00am	06/08/03	74	Port Huron	John Jeffries	810.989.5753
07/11/03 6:00pm	07/12/03	39	Kalamazoo	Patrick Butler	269.345.0313
07/12/03 8:00am	07/13/03	56	Midland	Richard Ripke	989.689.4637
08/15/03 6:00pm	08/16/03	41	Belmont	David Purchase	231.780.2500
09/13/03 6:00pm	09/14/03	48	Newberry	Donald Brown	906.475.1135

FIRE PREVENTION

Intro. To Fire Insp. Principles & Practices					
05/19/03 9:00am	05/20/03	50	Clinton Township	Anthony Kowalski	586.498.4056
06/07/03 8:00am	06/08/03	80	Bloomington	David Purchase	231.780.2500
07/18/03 6:00pm	07/19/03	39	Kalamazoo	Patrick Butler	269.345.0313
08/02/03 8:00am	08/03/03	56	Midland	Richard Ripke	989.689.4637
08/09/03 8:00am	08/10/03	41	Belmont	David Purchase	231.780.2500

HAZARDOUS MATERIALS

Haz Mat First Reponder - Awareness					
05/19/03 08:00am	05/19/03	82	Detroit	Jeffrey Banks Sr.	313.237.3175
05/20/03 6:00pm	05/20/03	39	Kalamazoo	Ken Howe	269.375.0487
05/20/03 6:00pm	05/20/03	39	Kalamazoo	Dan Tomlinson	269.329.4493
05/24/03 6:00pm	05/24/03	20	Grayling	Edward Holtcamp	989.275.8548
05/27/03 6:00pm	05/27/03	21	Gladstone	Jerry Plourde	906.786.5911
06/02/03 11:00am	06/02/03	82	Garden City	Robert Perry	734.462.4745
06/03/03 6:00pm	06/03/03	75	White Pigeon	Charles Haines	269.273.1166
06/16/03 8:00am	06/16/03	82	Detroit	Jeffrey Banks Sr.	313.237.3175
07/14/03 8:00am	07/14/03	41	Grand Rapids	Michael Tibbets	616.456.3900
07/29/03 6:00pm	07/29/03	82	Taylor	Lawrence Morabito	734.374.3213
HazMat First Responder - Operations					
05/15/03 6:30pm	06/03/03	45	Empire	Stephen Ward	231.228.5396
05/20/03 8:00am	05/29/03	82	Detroit	Jeffrey Banks Sr.	313.237.3175
05/20/03 6:00pm	05/31/03	77	Manistique	Daniel Hammerberg	906.497.5094
05/22/03 6:00pm	06/14/03	39	Kalamazoo	Ken Howe	269.375.0487
05/22/03 6:00pm	06/14/03	39	Kalamazoo	Dan Tomlinson	269.329.4493
05/23/03 8:00am	05/25/03	01	Alcona	Pete Shiemke	989.727.3782
05/27/03 7:00pm	06/05/03	38	Jackson	Fred Newton	734.523.4012
05/28/03 7:00pm	06/19/03	20	Grayling	Edward Holtcamp	989.275.8548
05/31/03 8:30am	06/07/03	25	Flint	Dennis Lacey	810.742.2158
06/03/03 9:00am	06/05/03	82	Garden City	Robert Perry	734.462.4745
06/03/03 6:00pm	06/07/03	21	Gladstone	Jerry Plourde	906.786.5911
06/03/03 7:00pm	06/14/03	13	Marshall	Steven Wart	269.579.4338
06/17/03 8:00am	06/20/03	82	Detroit	Jeffrey Banks Sr.	313.237.3175

Start Date Time	End Date	Co.	Location	Course Manager	Phone
07/15/03 8:00am	07/18/03	41	Grand Rapids	Michael Tibbets	616.456.3900
07/30/03 6:25pm	08/09/03	82	Taylor	Lawrence Morabito	734.374.3213
08/20/03 6:00pm	09/20/03	48	Newberry	Robert Schwarz	906.226.8174
Incident Command System					
05/17/03 9:00pm	05/18/03	71	Rogers City	Robert Clark	989.354.3151
05/21/03 9:00am	06/25/03	63	Troy	Keith Lendeman	248.524.3419
05/21/03 7:00pm	06/25/03	63	Troy	Keith Lendeman	248.524.3419
05/31/03 8:00am	06/01/03	58	Erie	Ricky Kleinow	734.777.3608
06/06/03 5:00pm	06/07/03	33	Leslie	David Harper	517.347.5055
06/07/03 8:00am	06/08/03	56	Midland	Richard Ripke	989.689.4637
08/15/03 6:00pm	08/16/03	39	Kalamazoo	Patrick Butler	269.345.0313
09/13/03 8:00am	09/14/03	83	Cadillac	Randall Norman	231.775.3114
09/15/03 9:00am	09/16/03	82	Garden City	John Smilnak	734.462.4745
09/19/03 8:00am	09/20/03	41	Belmont	David Purchase	231.780.2500

Clandestine Drug Lab - Awareness

05/17/03 8:00am	05/17/03	51	Manistee	Michael Cederholm	231.946.4593
05/17/03 8:00am	05/17/03	39	Kalamazoo	Patrick Butler	269.345.0313
05/18/03 9:30am	05/18/03	07	Baraga	Richard Caudill	906.358.0311
05/19/03 6:00pm	05/19/03	52	Negaunee	Robert Schwarz	906.226.8174
05/20/03 6:30pm	05/20/03	83	Cadillac	Randall Norman	231.775.3114
05/28/03 6:00pm	05/28/03	71	Presque Isle	Richard Barnett	231.536.2957
06/12/03 6:00pm	06/12/03	22	Kingsford	Daniel Hammerberg	906.497.5094
09/16/03 6:00pm	09/16/03	27	Wakefield	Richard Caudill	906.358.0311

HEALTH/SAFETY

Fire Fighter Health & Safety					
05/17/03 9:00am	05/18/03	63	Orchard Lake	Michael Sabol	248.232.4580
05/22/03 9:00am	05/23/03	63	Auburn Hills	Michael Sabol	248.232.4580
05/31/03 8:00am	06/01/03	28	Traverse City	Joe Corden	231.943.3473
Health & Safety Officer					
05/21/03 8:00am	05/27/03	33	Lansing	Timothy James	517.483.4547
05/22/03 8:00am	05/28/03	33	Lansing	Timothy James	517.483.4547

Fire Fighter Safety & Survival

07/25/03 6:00pm	07/26/03	39	Kalamazoo	Patrick Butler	269.345.0313
08/22/03 6:00pm	08/23/03	48	Newberry	Terry Heyns	906.635.2726
09/20/03 8:30am	09/21/03	07	Baraga	Terry Heyns	906.635.2726

Incident Safety Officer

06/14/03 8:00am	06/15/03	28	Traverse City	Joe Corden	231.943.3473
09/13/03 8:30am	09/14/03	07	Baraga	Robert Hill	810.622.9374
09/20/03 1:00pm	09/21/03	41	Belmont	David Purchase	231.780.2500

Self Contained Breathing Apparatus

06/19/03 6:00pm	06/19/03	07	Baraga	Michael Pinar	906.827.3433
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INSTRUCTOR DEVELOPMENT

Educational Methodology					
06/28/03 8:00am	06/29/03	80	Bloomington	David Purchase	231.780.2500
09/27/03 8:00am	09/28/03	41	Belmont	David Purchase	231.780.2500

MANAGER/SUPERVISOR DEVELOPMENT

Records & Reports					
05/17/03 8:00am	05/17/03	80	Bloomington	David Purchase	231.780.2500
09/26/03 1:00pm	09/26/03	41	Belmont	David Purchase	231.780.2500
Fire Service Supervision - Personal					
05/30/03 6:00pm	05/31/03	06	Omer	Edward Rohn	989.653.2603
06/02/03 9:00am	06/03/03	50	Clinton Township	Anthony Kowalski	586.498.4056
06/20/03 6:00pm	06/21/03	39	Kalamazoo	Patrick Butler	269.345.0313
09/05/03 8:00am	09/06/03	41	Belmont	David Purchase	231.780.2500

Fire Service Supervision - Team

05/16/03 6:00pm	05/17/03	80	Bloomington	David Purchase	231.780.2500
06/04/03 9:00am	06/05/03	50	Clinton Township	Anthony Kowalski	586.498.4056
06/27/03 6:00pm	06/28/03	06	Omer	Edward Rohn	989.653.2603
06/27/03 6:00pm	06/28/03	39	Kalamazoo	Patrick Butler	269.345.0313
09/06/03 1:00pm	09/07/03	41	Belmont	David Purchase	231.780.2500

Leadership I

05/20/03 9:00am	05/21/03	63	Auburn Hills	Michael Sabol	248.232.4580
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Leadership II

05/23/03 8:00am	05/24/03	25	Burton	William Miller	810.635.8000
05/27/03 9:00am	05/28/03	63	Auburn Hills	Michael Sabol	248.232.4580

Leadership III

05/17/03 8:00am	05/18/03	28	Traverse City	Joe Corden	231.943.3473
05/29/03 9:00am	05/30/03	63	Auburn Hills	Michael Sabol	248.232.4580
06/06/03 8:00am	06/07/03	25	Burton	William Miller	810.635.8000
06/07/03 9:00am	06/08/03	63	Orchard Lake	Michael Sabol	248.232.4580
06/11/03 8:00am	06/17/03	33	Lansing	Timothy James	517.483.4547
06/12/03 8:00am	06/18/03	33	Lansing	Timothy James	517.483.4547

RESCUE

Vehicle Extrication	
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MI Fire Fighters Training Council Registered Training

Start Date	Time	End Date	Co.	Location	Course Manager	Phone
05/17/03	8:00am	05/17/03	24	Petoskey	Alfred Welsheimer	231.347.5597
05/18/03	8:00am	05/18/03	72	Roscommon	Raymond Haring	231.922.2888
05/24/03	9:00am	05/24/03	22	Kingsford	Daniel Simonsden	906.250.0076
06/07/03	9:00am	06/07/03	17	Hulbert	Pat McMahon	906.495.5171
08/17/03	9:00am	08/17/03	07	Baraga	Robert Schwarz	906.226.8174

SUPPRESSION

Building Construction: Principles						
08/01/03	8:00am	08/02/03	41	Belmont	David Purchase	231.780.2500
09/13/03	8:00am	09/14/03	22	Kingsford	James Rose	906.779.3289
Building Construction: Noncombustible						
05/23/03	6:00pm	05/24/03	80	Bloomingtondale	David Purchase	231.780.2500
06/06/03	6:00pm	06/07/03	39	Kalamazoo	Patrick Butler	269.345.0313
08/02/03	1:00pm	08/03/03	41	Belmont	David Purchase	231.780.2500
09/27/03	8:00am	09/28/03	22	Kingsford	James Rose	906.779.3289
Managing Co. Tactical Operations - Preparing						
08/22/03	8:00am	08/23/03	41	Belmont	David Purchase	231.780.2500
Managing Co. Tactical Operations - Decision						
08/23/03	1:00pm	08/24/03	41	Belmont	David Purchase	231.780.2500
Managing Co. Tactical Operations - Tactics						
06/06/03	9:00am	06/09/03	50	Clinton Township	Anthony Kowalski	586.498.4056
09/12/03	6:00pm	09/13/03	41	Belmont	David Purchase	231.780.2500
Flammable Liquids						
06/06/03	9:00am	06/06/03	82	Garden City	John Smilnak	734.462.4745
07/11/03	9:00am	07/11/03	82	Garden City	John Smilnak	734.462.4745
08/22/03	9:00am	08/22/03	82	Garden City	John Smilnak	734.462.4745
Ventilation						
05/20/03	9:00am	05/20/03	07	Baraga	Bruce Caudill	906.358.4226
09/06/03	9:00am	09/06/03	48	Newberry	Bruce Caudill	906.358.4226

WATER SUPPLY

Mutual Aid Tanker Shuttle						
06/14/03	8:00am	06/14/03	07	Baraga	Dan Sarazin	906.296.0725

TERRORISM

Emerg. Response to Terrorism: Basic Concepts						
05/17/03	8:30am	05/18/03	25	Fenton	Dennis Lacey	810.742.2158
05/19/03	7:00pm	06/09/03	50	Romeo	David Faulker	586.752.4857
06/06/03	6:00pm	06/07/03	22	Kingsford	Robert Schwarz	906.226.8174
06/28/03	9:00am	06/29/03	32	Kinde	Craig Enderle	989.678.0901
Emerg. Resp. To Terrorism: TC-HazMat						
08/01/03	4:00pm	08/02/03	74	Port Huron	John Jeffries	810.989.5753
08/02/03	8:00am	08/03/03	22	Kingsford	Robert Schwarz	906.226.8174
Emerg. Resp. to Terrorism: TC-EMS						
05/19/03	9:00am	05/20/03	82	Garden City	John Smilnak	734.462.4745
06/07/03	9:00am	06/08/03	58	Carleton	Ricky Kleinow	734.777.3608
06/20/03	4:00pm	06/21/03	74	Port Huron	John Jeffries	810.989.5753
06/21/03	9:00am	06/22/03	07	Keweenaw Bay	William Rinkinen	906.353.6039

Start Date	Time	End Date	Co.	Location	Course Manager	Phone
Emerg. Resp. to Terrorism: TC-CO						
07/11/03	6:00pm	07/12/03	07	Keweenaw Bay	William Rinkinen	906.353.6039
08/20/03	9:00am	08/21/03	58	LaSalle	Ricky Kleinow	734.777.3608
09/13/03	9:00am	09/14/03	42	Allouez	Ronald Csiki	906.296.0328
Emerg. Resp. To Terrorism: SCCO						
08/15/03	06:00pm	8/16/03	07	Keweenaw Bay	William Rinkinen	906.353.6039

NOTE: A current list of MFFTC Registered Training is also available at www.mfftc.org and is updated weekly.

Michigan Hazardous Materials Training Center Training Advisory

Applications are now being accepted for the following courses for **June 2003**. Please contact the Michigan State Police, Hazardous Materials Training Center, for further information at 517.322.1190.

Course Name	Dates	Cost
Hazardous Materials Incident Response Operations EPA 165.5	June 2-6	\$495
Hazardous Materials Technician-Advanced	June 9-13	\$395
Explosives Recognition	June 16	\$50
Air Monitoring for Hazardous Materials	June 17-19	\$245
SCBA/SCUBA Visual Cylinder Inspector	June 20	\$145
Terrorism Awareness	June 23	Free
Terrorism Operations	June 24-25	\$150
Terrorism Technician	June 27-28	\$150
IMS for WMD	June 28-29	\$150
Hazardous Materials Transportation Regs	June 30	\$95

On-Call Fire Departments Resource Now Available from Michigan Townships Association

The Michigan Townships Association has published an updated version of *On-Call Fire Departments: The Township Board's Responsibilities*.

Authored by MTA Executive Director G. Lawrence Merrill, the publication offers a comprehensive look at on-call fire protection from the township perspective.

Available exclusively from the MTA, the revised edition of this 181-page guide reflects the growing sophistication of volunteer and paid-on-call departments throughout Michigan and addresses emerging 21st century fire service issues. Fire officials will also find the manual useful to understand the perspective of the election officials. Expanded chapters are included on: the role

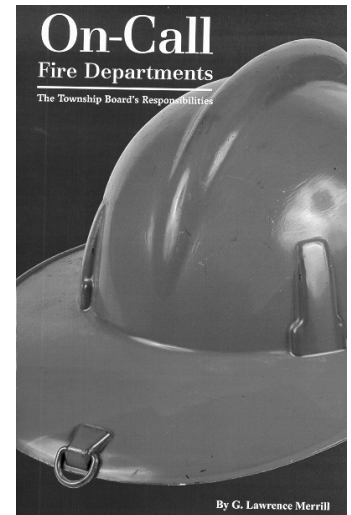
of the fire chief; financing the fire department; appointing fire fighters; and motivating and retaining personnel. A new chapter on major emergency management and disaster planning was also added.

Merrill is a former paid, on-call fire fighter and officer in DeWitt Charter Township (Clinton Co.), a community of 10,000 population in the metropolitan Lansing area, and was emergency services coordinator and emergency medical services director in Montcalm County. He has held a Michigan emergency medical technician license, and holds a master's degree in public administration from Michigan State University.

On-Call Fire Departments is

available to MTA members for \$20 and to non-members for \$28, plus 6 percent sales tax for orders from a non-governmental entity or paid by a personal check or money order. There is a nominal charge for shipping and handling. To order, call MTA Education Aide Gloria Huhn at .517.321.6467, ext. 227, or visit www.michigantownships.org for a publication order form.

Michigan Townships Association is a non-profit organization formed in 1953 to provide a unified voice for Michigan's township governments. MTA is proud to claim more than 99 percent of the 1,242 Michigan townships as members.



MSP Fire Investigation Training

Fire Investigation I School (formerly Basic) – 80 Hours

Fall Session: September 8-19, 2003

Application Deadline: June 20, 2003

Tuition: \$500 – Covers meals, lodging, and all training materials
Students are responsible for their own transportation and necessary work equipment.
Students selected for training will receive a list of necessary equipment.
\$700 – non-resident

Vehicle Fire Investigation School – 40 Hours

October 6-10, 2003

Application deadline: September 5, 2003

Tuition: \$250 – Covers meals, lodging, and all training materials
Students are responsible for their own work equipment.
\$350 – non-resident
Prerequisite: Students **must** have attended the Fire Marshal Division Fire Investigation I School (formerly Basic) or an equivalent.

Arson Follow-Up School – 40 Hours

Summer Session: August 18-22, 2003

Application Deadline: July 18, 2003

Tuition: \$250 – Covers meals, lodging, and all training materials
Students are responsible for their own transportation.
\$350 – non-resident

NOTE: This school is open only to police and public safety officers. **It does not instruct fire origin and cause determination.** This school teaches those skills necessary to continue an investigation once a fire has been determined to be arson by a qualified investigator.

Applications, requirements and qualifications can be downloaded at www.michigan.gov/msp, click on Services to Governmental Agencies, click on State Fire Marshal.

Contact: D/Lt. Jim Shinsky at 517.322.5463
Spl/Sgt. Chad Coney at 517.322.5783
Karen Towne at 517.322.5482

Firewise Reminder

Wildfire Season in Full Swing

Wildfire happens, but not by choice. Managing the wildland/urban interface fire issue at home, within a community, is the key to creating a safer, more fire-ready America. The work of protecting your home and/or community from wildfire may not be completed overnight, and it may not be a one-time effort. Being Firewise, however, need not be overwhelming. If you are serious

about protecting yourself and your community, start becoming Firewise today.

Beginning in March, much of the United States begins preparations for wildfire season. Dead branches and those that overhang structures can be pruned. Leaf litter, along with pine and fir needles, should be removed from the roof, the gutters and the ground adjacent to the

house and any out buildings.

A note to our Firewise Home Page visitors: The Firewise Home Page (www.firewise.org) had its busiest year ever in 2002. Hits totalled 3,301,274—nearly three times the number experienced in 2001. The Firewise Home Page e-mail list also grew, and now contains over 5,165 names of people who have told us they want to learn more about

mitigating wildfire in the wildland/urban interface.

Firewise is your resource for wildland/urban interface fire protection information. If you have questions or comments, contact Firewise staff at FirewiseHP@aol.com.

For Sale

For Sale: 1970 IH/American Pumper, 750 GPM pump with 750 gal tank. All ladders and suction hose, axes and pike poles. Has passed latest DOT inspection. 1 booster reel with 150' 1" hose and nozzle. All lights and sirens. 2 - 1 1/2" crosslays. \$4000 or BO. Crystal Twp FD, Hart, MI
Contact: 231.873.4111

For Sale: 1978 Ford/FMC Pumper tanker. 1000 pump, 1500 tank, Ford C-950 tandem axle truck, 534 V-8 gas 5 speed man trans, 1000 gpm FMC 2-stage pump, Bean high pressure fog pump, 1500 gal poly tank with 1500 portable tank, ladders, pike pole, axes, generator and other loose equipment. Red, no rust, 15,600 miles. \$7500 or BO
Contact: Manchester Twp FD at 734.428.9439 or email Manchestertwpfir@aol.com

For Sale: The Mason County Rural Fire Authority has the following trucks and equipment for sale:
1990 Tanker, 1900 gal, F-800 rebuilt engine \$10,000.
1988 Tanker, 1800 gal, 270 HP Cummins Engine \$15,000.
1981 Tanker, 2200 gal, new stainless tank 1999, \$22,500.
1966 Tanker, 5000 gal. GMC, \$5,000.
Approx 50 MSA and Scott airpaks. Each certified annually.

Some airpaks have new harnesses. Some airpaks have PASS alarms. Price range \$50-\$500.
Contact: 231.757.4252 and leave name, address, phone number and a brief message to receive brochure or more information.

Southwest MI Fire Science Consortium Program Manager

Kalamazoo Valley Community College is seeking a part-time fire Science Consortium Program Manager beginning June 2003, to manage, coordinate and market the operations of this Associate in Applied Science (A.A.S.) Fire Science Degree program. Position also serves in instructional capacity. Position reports to the Dean of Applied Technology. Current annual salary is \$15,000 and the work schedule is approximately 15 hours per week. Interested and qualified individuals should submit a cover letter, resume and official academic transcripts to the Human Resources Office, Kalamazoo Valley Community College, PO Box 4070, 6767 West O Avenue, Kalamazoo MI 49003-4070. For additional information and qualifications, contact Dan W. Tomlinson, Fire Science Program Manager, at 269.488.4202.

FIREWORKS IN MICHIGAN

Presented by the Oakland County Fire Prevention Society and Metropolitan Detroit Fire Inspectors Society

Tuesday, May 6, 2003

10:00 a.m.

\$12 per person

Oakland Community College

Auburn Hills Campus

Building "F" and the Crest Project

R.S.V.P. to Jan at 248.354.7807 by May 5th

For more information, log onto www.michigan.gov/msp

click on Services to Governmental Agencies

click on State Fire Marshal

or contact Keith Lampear at 248.797.1992

NFPA Plans Examiner I Class

The Kalamazoo Department of Public Safety Fire Marshal's Office will be sponsoring a NFPA Plans Examiner I class in Kalamazoo:

Date: July 28 - July 31, 2003 (Mon - Thurs)

Location: Radisson Hotel, Kalamazoo, MI

Cost: \$400 (includes continental breakfast each morning and lunch on Friday)

Contact: Fire Marshal Marty Myers @ 269.337.8285

The class will be limited to first 35 confirmed students.

Posters Available

The Ohio State Fire Marshal's Office has 4 (four) really nice posters, free of charge. They are intended for classrooms, health fairs, etc. The messages are STOP, DROP AND ROLL/ CRAWL UNDER SMOKE/ CALL THE FIRE DEPARTMENT FROM A NEIGHBOR'S HOUSE/ AND KNOW TWO WAYS OUT.

If you are interested in ordering, call the Fire Prevention Bureau at 614.752.7115, or write to: State Fire Marshal's Office, 8895 East Main Street, Reynoldsburg, OH 43068

Fire TIES

Fire TIES is published monthly to promote and maintain a fire safe environment with a focus on fire/fraud investigations, public fire safety and arson prevention education, fire statistics and analysis, and fire fighter training.

Opinions expressed are those of the authors and do not necessarily represent the opinions of the State Fire Marshal or the Michigan Fire Fighters Training Council, unless so noted in the article.

Material submitted to Fire TIES should be of current interest statewide and must be received by the first of the month prior to publication.

Persons interested in furnishing material should forward it to: **Fire TIES**, State Fire Marshal's Office: 7150 Harris Drive, Lansing MI 48913.

Editorial Committee Members
Colleen Mohr-SFM 517.322.1750
Gregory Kirt-MFFTC 517.322.5444

Fire TIES Subscription

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Agency: _____

Address: _____

City : _____ State: _____ Zip: _____

Send this form and check or money order payable to:

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State of Michigan
Michigan State Police
Cashier - Fire TIES
714 S. Harrison Road
East Lansing, MI 48823

Calendar of Events

Service Directory

Fire Marshal Division Headquarters

TX: 517.322.1924

Fax: 517.322.2908

www.michigan.gov/msp

click on [Services to](#)

[Governmental Agencies](#)
click on [State Fire Marshal](#)

Fire Investigation

888.684.FIRE

Arson Hot Line

800.44.ARSON

Public Fire Education

517.322.1750

NFIRS

517.322.1939

MFFTC Headquarters

TX: 517.322.5444

FAX: 517.322.6540

www.mfftc.org

MFFTC Marquette

Lorraine Schwarz

TX: 888.879.6459

FAX: 906.225.0834

schwarzl@michigan.gov

MFFTC Grand Rapids

Gary Crum

TX: 877.475.0844

FAX: 616.784.4498

crumg@michigan.gov

MFFTC Saginaw

Deward Beeler

TX: 888.879.6458

FAX: 989.758.1980

beelerd@michigan.gov

MAY

- 7 **MI Fire Service Instructors Association**, 9:00 a.m., Macomb (regional)
8 **Southeastern MI Association of Fire Chiefs**, Burton
10 **MI State Firemen's Association**, Deerfield Twp FD, Mt. Pleasant
15 **MI Fire Service EXPO Committee**, 8:30 a.m., General Office Building, Conf. Rm B, Lansing
15 **MI Joint Fire Service Council**, 10:30 a.m., General Office Building, Conf. Rm. B, Lansing
17-18 **MI State Firemen's Association**, Spring Fire School, TBA
27 **Metro Detroit Fire Inspectors Society and Oakland Fire Prevention Society**, 11:00 a.m., Troy Training Center
28 **MI Association of Fire Chiefs**, Executive Board, Holland
28 **Southeastern MI Association of Fire Chiefs**, 10:00 a.m., Executive Board, Troy

JUNE

- 3 **MI Arson Prevention Committee**, Brighton House, Brighton
10 **Metropolitan Detroit Fire Inspectors Society**, location TBA
11 **MI Fire Fighters Training Council**, 9:00 a.m. work session, 10:00 a.m. business meeting, General Office Building, Lansing
18 **MI Fire Service Instructors Association**, 9:00 a.m., Grand Rapids
18-22 **MI Fire Service EXPO**, Amway Grand Plaza, Grand Rapids
19 **Northern MI Fire Chiefs Association**, Location TBA
20 **MI State Firemen's Association**, Grand Rapids
25 **Southeastern MI Association of Fire Chiefs**, 10:00 a.m., Executive Board, Troy

JULY

- 17 **MI Fire Service EXPO Committee**, 8:30 a.m., General Office Building, Conf. Rm B, Lansing
17 **MI Joint Fire Service Council**, 10:30 a.m., General Office Building, Conf. Rm. B, Lansing
17 **Northern MI Fire Chiefs Association**, Executive Board, Location TBA
23 **MI Association of Fire Chiefs**, Executive Board, Big Rapids
30 **Southeastern MI Association of Fire Chiefs**, 10:00 a.m., Executive Board, Troy

To submit activities for this calendar, call Colleen Mohr at 517.322.1750 Fax 517.322.2908 or mohrc@michigan.gov

"Quote of the Month"

"I can think of no more stirring symbol of man's humanity to man than a fire engine."

Kurt Vonnegut

Submitted by: Fountain Area Fire Department

If you would like to share your favorite quote, please send it to Colleen Mohr and include the author if known.